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| FORM PTO-1449<br>U.S. DEPARTMENT OF COMMERCE<br>PATENT AND TRADEMARK OFFICE<br>INFORMATION DISCLOSURE STATEMENT<br>FOR PATENT<br>(Use several sheets if necessary) | ATTY. DOCKET NO.:<br><b>DX01042X</b>        | SERIAL NO.:<br><b>09/658,699</b> |
|  | APPLICANT:<br><b>Birgit Oppmann, et al.</b> |                                  |
|  | FILING DATE:<br><b>September 8, 2000</b>    | GROUP:<br><b>1632/649</b>        |

## U.S. PATENT DOCUMENTS

| *EXAMINER<br>INITIAL |    | DOCUMENT<br>NUMBER | DATE     | NAME                  | CLASS | SUB-<br>CLASS | FILING DATE IF<br>APPROPRIATE |
|----------------------|----|--------------------|----------|-----------------------|-------|---------------|-------------------------------|
| AD                   | AA | 5,891,680          | 04/06/99 | Lieschke and Mulligan | —     | —             | —                             |
|                      | AB | 5,853,721          | 12/29/98 | Gately et al.         | —     | —             | —                             |
|                      | AC | 5,744,132          | 04/28/98 | Warne et al.          | —     | —             | —                             |
|                      | AD | 5,650,492          | 07/22/97 | Gately et al.         | —     | —             | —                             |
|                      | AE | 5,571,515          | 11/05/96 | Scott and Trinchieri  | —     | —             | —                             |
|                      | AF | 5,547,852          | 08/20/96 | Seiler et al.         | —     | —             | —                             |

## FOREIGN PATENT DOCUMENTS

|    |    | DOCUMENT<br>NUMBER | DATE     | COUNTRY | CLASS | SUB-<br>CLASS | TRANSLATION |    |
|----|----|--------------------|----------|---------|-------|---------------|-------------|----|
|    |    |                    |          |         |       |               | YES         | NO |
| AD | AG | WO 99/05280        | 02/04/99 | PCT     | —     | —             | X           |    |

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| AD | AH | A.M. ACKRILL, Genbank, Accession No. X97019, 11 April 1996.<br>"M.monax mRNA for IL-12 p40 subunit."   |
|    | AI | G.F. BELKE-LOUIS and M. BUETTNER, et al., GenBank, Accession No. U49100, 13 March 1996.<br>"Canis familiaris interleukin-12 p40 subunit mRNA, complete cds."   |
|    | AJ | J.C. BEYER, et al., Genbank, Accession No. AF007576, 14 July 1997.<br>Capra hircus interleukin 12 p40 subunit (IL-12) mRNA, complete cds."   |
|    | AK | D. FEHR, et al., Genbank, Accession No. U83184, 16 July 1999.<br>"Felis catus interleukin-12 p40 subunit (IL-12) mRNA, complete cds."  |
|    | AL | M. FISCHER, et al., Nature Biotechnology, 15: 142-145, 1997.<br>"A bioactive designer cytokine for human hematopoietic progenitor cell expansion"  |
|    | AM | M.K. GATELY, et al., Annual Review of Immunology, 16:495-521, 1998.<br>"The interleukin-12 /interleukin-12-receptor system: role in normal and pathologic immune responses"  |
|    | AN | R.E. GOODMAN and G.B. TOEWS, GenBank, Accession No. U16674, 07 November 1994.<br>"Rattus norvegicus interleukin-12p40 mRNA, partial cds."  |
|    | AO | Angela GRONENBORN and G.M. CLORE, Protein Engineering, 4(3):263-269, 1991.<br>"Modeling the three-dimensional structure of the monocyte chemo-attractant protein MCAF/MCP-1 on the basis of the solution structure of interleukin-8" |
|    | AP | J. GROTZINGER, et al., Proteins, 27:96-109, 1997.<br>"The family of the IL-6-type cytokines: specificity and promiscuity of the receptor complexes"  |

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|---------------------------------|------------------------------------|
| EXAMINER<br><i>Ann D. Clone</i> | DATE CONSIDERED<br><i>11/22/02</i> |
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|   |    |  |  |   |                                  |
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| FORM PTO-1449   |    | U.S. DEPARTMENT OF COMMERCE<br>PATENT AND TRADEMARK OFFICE   |  | APP. DOCKET NO.:<br><b>DX01042X</b>         | SERIAL NO.:<br><b>09/658,699</b> |
| INFORMATION DISCLOSURE STATEMENT<br>FOR PATENT  |    |  |  | APPLICANT:<br><b>Birgit Oppmann, et al.</b> |                                  |
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| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)  |    |  |  |   |                                  |
| <i>AD</i>   | AQ | U. GUBLER, et al., <u>Genbank</u> , Accession No. M65272, 27 April 1993.<br>"Human cytotoxic lymphocyte maturation factor 40 kDa subunit mRNA, complete cds."  |  |   |                                  |
|   | AR | J. KHALIFE, et al. <u>GenBank</u> , Accession No. AF133197, 08 April 1999.<br>"Rattus norvegicus interleukin-12 p40 precursor, mRNA, complete cds."  |  |   |                                  |
|   | AS | T. KITAMURA, et al., <u>Proceedings of the National Academy of Sciences, USA</u> , 92:9146-9150, 1995.<br>"Efficient screening of retroviral cDNA expression libraries"  |  |   |                                  |
|   | AT | E. LOCKHART, et al., <u>Genbank</u> , Accession No. U57752, 28 October 1999.<br>"Cervus elaphus interleukin-12 p40 subunit mRNA, complete cds."  |  |   |                                  |
|   | AU | L. NICOLSON, et al., <u>Genbank</u> , Accession No. Y11129, 17 November 1999.<br>"Equus caballus mRNA for interleukin 12 p40 subunit."   |  |   |                                  |
|   | AV | M. ONISHI, et al., <u>Experimental Hematology</u> , 24:324-329, 1996.<br>"Applications of retrovirus-mediated expression cloning"  |  |   |                                  |
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|   | AX | Malte PETERS, et al., <u>The Journal of Immunology</u> , 161:3575-3581, 1998.<br>"In Vivo and In Vitro Activities of the gp130-Stimulating Designer Cytokine Hyper-IL-6"   |  |   |                                  |
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|   | AZ | Tim RAKEMANN, et al., <u>The Journal of Biological Chemistry</u> , 274:1257-1266, 1999.<br>"The Designer Cytokine Hyper-Interleukin-6 Is a Potent Activator of STAT3-dependent Gene Transcription <i>in Vivo</i> and <i>in Vitro</i> " |  |   |                                  |
|   | BA | Roger SAYLE and E.J. MILNER-WHITE, <u>Trends in Biochemical Sciences</u> , 20:374-376, 1995.<br>"RASMOL: biomolecular graphics for all"  |  |   |                                  |
|   | BB | V.E. SCHIJNS, et al., <u>Genbank</u> , Accession No. Y07762, 13 May 1997.<br>"F.catus mRNA for interleukin-12 p40 chain."  |  |   |                                  |
|   | BC | D.S. SCHOENHAUT, et al., <u>GenBank</u> , Accession No. M86671, 08 May 1993.<br>Definition: "Mus musculus interleukin 12 p40 subunit, complete cds."   |  |   |                                  |
|   | BD | S.J. SWINBURNE, et al., <u>Genbank</u> , Accession No. AF004024, 14 November 1999.<br>"Ovis aries interleukin-12 p40 subunit precursor, mRNA, complete cds."   |  |   |                                  |
|   | BE | T. TAGA and T. KISHIMOTO, <u>Annual Review of Immunology</u> , 15: 797-819, 1997.<br>"Interleukin-12: a cytokine at the surface of inflammation and immunity"  |  |   |                                  |
|   | BF | G. TRINCHIERI, <u>Advances in Immunology</u> , 70:83-243, 1998.<br>"Interleukin-12: a cytokine at the interface of inflammation and immunity"  |  |   |                                  |
| <i>✓</i>  | BG | G. TRINCHIERI, <u>Int. Rev. Immunol.</u> , 16:365-396, 1998.<br>"Proinflammatory and Immunoregulatory Functions of Interleukin-12"   |  |   |                                  |
| EXAMINER  |    | <i>Ann De Clune</i>  |  | DATE CONSIDERED<br><i>11/28/02</i>          |                                  |
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| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)  |    |   |                                    |  |                                  |
| <i>Ad</i>   | BH | T. TSUKAMOTO, et al., <u>Biochemist and Biophysicist Research Community</u> , 265: 7-12, 1999.<br>"Isolation of oncogenes from rat mammary tumors by a highly efficient retrovirus expression cloning system" |                                    |  |                                  |
|   | BI | F. VILLINGER, et al., <u>Genbank</u> , Accession No. U19834, 3 February 1996.<br>"Cercopithecus torquatus interleukin-12 alpha p40 subunit (IL-12a) mRNA, complete cds."                                      |                                    |  |                                  |
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|   | BK | Chang-You WU, et al. <u>European Journal of Immunology</u> , 26:345-350, 1996.<br>"Biological function and distribution of human interleukin-12 receptor chain Beta"  |                                    |  |                                  |
|   | BL | D.S. ZARLENGA, et al., <u>Genbank</u> , Accession No. U11815, 27 February 1996.<br>"Bos taurus interleukin 12 40 kDa subunit mRNA, complete cds."   |                                    |  |                                  |
| EXAMINER<br><i>Ann De Ch...</i>   |    |   | DATE CONSIDERED<br><i>11-22-01</i> |  |                                  |
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